

From: Saguibo, Tracy-Joy I CIV NAVFAC HI, OPHE3 [tracyjoy.saguibo@navy.mil]
Sent: 12/27/2016 8:53:22 PM
To: TU, LYNDSEY [Tu.Lyndsey@epa.gov]
CC: Takaba, Richard R [richard.takaba@doh.hawaii.gov]; randall.heu@doh.hawaii.gov; roxanne.kwan@doh.hawaii.gov; Linder, Steven [Linder.Steven@epa.gov]; Pallarino, Bob [Pallarino.Bob@epa.gov]; steven.chang@doh.hawaii.gov; aaron.poentis@navy.mil; Fukumoto, Janice L CIV NAVFAC HI, EV3 [janice.fukumoto@navy.mil]; Waki, Cory K CIV NAVFAC HI, EV1 [cory.waki@navy.mil]
Subject: RE: Red Hill Split Sampling
Attachments: SOPs_ for DOH.PDF; Table 6-3.docx; APPL COC.PDF; RE: SOPs and Methods and analytes for Red Hill; smime.p7s

Lyndsey,

Thank you for the draft Split Sampling Plan. We are currently reviewing and will work to provide comments by next Wednesday morning, Jan. 4th. We can also schedule a call to discuss any outstanding issues if needed; just let us know. Please see attached for the following:

1. SOPs related to the split sampling effort (NAVFAC Pacific ER Program Project Procedures Manual; DON 2015)
*Also included in our forthcoming SAP derivative deliverable
 - I-A-6 IDW Management
 - I-A-7 Analytical Data Validation Planning and Coordination
 - I-A-8 Sample Naming
 - I-C-3 Monitoring Well Sampling
 - I-F Equipment Decontamination
 - II-A Data Validation
 - II-B Level C and Level D Data Validation for GC/MS Volatile Organics by SW-846 8260
 - II-C Level C and Level D Data Validation for GC/MS Semivolatile Organics by SW-846 8270 (Full Scan and SIM)
 - II-H Level C and Level D Data Validation for TPH by SW-846 8015
 - II-R Level C and Level D Data Validation for Wet Chemistry Analyses
 - II-S Data Quality Assessment Report
 - III-A Laboratory QC Samples (Water, Soil)
 - III-B Field QC Samples (Water, Soil)
 - III-D Logbooks
 - III-E Record Keeping, Sample Labeling, and Chain-of-Custody
 - III-F Sample Handling, Storage, and Shipping
2. Reference limits on Table 6-3 from our forthcoming SAP derivative deliverable
3. Blank chain-of-custody form for our analytical laboratory
4. Previous correspondence that includes our analytical laboratory's SOPs

V/R,
Tracy Saguibo
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-----Original Message-----

From: TU, LYNDSEY [mailto:TU.Lyndsey@epa.gov]
Sent: Wednesday, December 21, 2016 2:36 PM
To: Saguibo, Tracy-Joy I CIV NAVFAC HI, OPHE3
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Subject: [Non-DoD Source] RE: Red Hill Split Sampling

Thanks Tracy,

In order to finalize the draft of our Split Sampling Plan, we will need a few documents that would likely be included in the Jan 19th document. I do believe we can track down the critical components without waiting for the 19th - so that we can 'conditionally approve' our Sampling Plan through our

QA office and then add the SAP as an addendum when it is completed. Our ultimate goal would be to have the Split Sampling Plan approved by our QA office and received by the Navy before the January sampling event.

With this in mind, let's work together to get the following documents or equivalents:

- . All SOP's which may be applicable. If the Navy has stand-alone SOP's that can (are?) fill in while AECOM is conducting sampling, then we can include those SOP's in our document. These may be documents we can just pull from the section 6&7 work plan (if they are the SOP's being followed) and would include:

- o SOP's for sampling from wells (or equivalent groundwater sampling documents, etc.)

- o SOP's for sample handling (Including packing and if available)

- . We would also like to receive blank copies of AECOM's Chain of Custody forms, and

- . Detection limit values from APPL that we can publish on the web. The documents you provided from APPL (Lab SOP's) are all watermarked confidential, so we should also discuss the best way to deal with the confidentiality issue. We will not include them in our Sampling plan, but they may be requested by interested parties who see that EPA's R9 Laboratory SOP's are included, so reaching an agreement in advance would be beneficial.

I'm going to go ahead and include the majority of the draft Split Sampling Plan, without the attachments we need from the Navy so that we can have eyes on the document's primary content without further delay. At this point I'll keep working on the attachments separately, and we will incorporate them as they become available.

***If we can have any first glance / major comments on the primary part of the Split Sampling Plan by next week and the issues with the attachments dealt with (as much as possible) before or during the first week of January than I believe we can get approval in time for the January sampling event.

I'll be around tomorrow until about 2:30 Hawaii time if there are any initial follow up questions, Otherwise I'll be back in the office on Tuesday December 27th.

Thanks for all of the help, and Happy Holidays!

Lyndsey Tu
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-----Original Message-----

From: Saguibo, Tracy-Joy I CIV NAVFAC HI, OPHE3
[mailto:tracyjoy.saguibo@navy.mil]
Sent: Tuesday, December 20, 2016 4:47 PM
To: TU, LYNDSEY <Tu.Lyndsey@epa.gov>
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randall.heu@doh.hawaii.gov; roxanne.kwan@doh.hawaii.gov; Linder, Steven
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Subject: RE: Red Hill Split Sampling

Lyndsey,

Thank you for sharing. I agree, these issues can be remedied relatively quickly.

For item #2, we will send EPA/DOH an abbreviated SAP-like info document which includes updated information on the lab. APPL is the lab we are currently using, and the lab SOPs I sent you previously are correct and applicable. An

updated, all-inclusive SAP for the AOC investigation is currently in-progress and will be submitted to EPA/DOH by January 19, 2017.

V/R,
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-----Original Message-----

From: TU, LYNDSEY [mailto:TU.Lyndsey@epa.gov]
Sent: Tuesday, December 20, 2016 1:44 PM
To: Saguibo, Tracy-Joy I CIV NAVFAC HI, OPHE3; Fukumoto, Janice L CIV NAVFAC
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Cc: Takaba, Richard R; randall.heu@doh.hawaii.gov;
roxanne.kwan@doh.hawaii.gov; Linder, Steven; Pallarino, Bob;
steven.chang@doh.hawaii.gov
Subject: [Non-DoD Source] Red Hill Split Sampling

Tracy,

After speaking with DOH regarding the sampling observation we have some priority concerns that I believe can be quickly addressed by the Navy and or AECOM before the next sampling event.

1. Thermometers and temperature logs should be kept in the refrigerators at the warehouse if all samples are not being shipped same day.
2. Current SOP's for Packing samples should be provided to HDOH and EPA (whatever SOP AECOM is following, Navy or internal). The "Final Navy Red Hill GW Monitoring WP" that was provided on 12/9/16 references another laboratory and it is unclear if the same SOP's are being used currently. It's critical to get all of the new SOP's as soon as possible so we can incorporate them into our Split Sampling Plan, as well as for general background.
3. Temperature Blanks should be added to the QA sample suite as a check on temperature on arrival to the laboratory if they are not already (the sample document you provided did not mention temp blanks, but perhaps I am mistaken).
4. Security of the warehouse should be explained to DOH and EPA. If an SOP for warehouse management exists that should be provided. There are concerns regarding possible sample tampering, with a fairly easy to access warehouse/overnight sample storage. If no SOP exists then perhaps signed seals on the refrigerators in addition to the bottles (which already have seals) or some other low cost measures (like a padlock) to ensure sample integrity could be implemented before the next sampling event.

Please give me a call if any of these items are an issue to address or need further clarification. Again, these are generally all low cost/low effort adjustments in our opinion, and we are open to hearing other suggestions to meet the same needs.

Thanks,

Lyndsey Tu

Underground Storage Tanks Program

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